

ADDENDUM NO. 1

TO: ALL BIDDERS OF RECORD

PROJECT: PARKING IMPROVEMENTS
MISSOULA REGIONAL HEADQUARTERS COMPLEX

FWP#: 7119106

DATE: February 6, 2014

FROM: Mark McNearney, Project Manager



Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.

This Addendum forms a part of the Contract Documents. Clarification and/or Modifications are as follows:

- 1) Clarification – All concrete side walk will require reinforcing steel consisting of 6x6x10 gauge wire mesh, located in the center of sidewalk section. Utilize reinforcement wire mesh reinforcement sheets or panels (not rolls) to provide uniform layer.
- 1) Modification – Specifications for Work, Technical Provisions, Section 03310, Structural Concrete, Part 2 Products, 2.2 Composition of Concrete, A.1 Materials:

Remove and Replace Subsection e. with the following:

For decorative concrete, uniformly mix color admixture agent throughout concrete mix. Utilize Chromix® Admixtures, Standard Color C-11 (Desert Sand) for color admixture selection and estimating purposes.

For decorative concrete, apply concrete surface sealing and curing compound. An acceptable product is Cure & Seal LV 25% J20UV, by Dayton Superior®, or approved equal. Follow manufacturer's recommendations for application and curing methods.

- 2) Modification – Specifications for Work, Technical Provisions, Section 02529, Concrete Sidewalks, Driveways, Approaches, Curb Turn Fillets, Valley Gutters and Miscellaneous New Concrete Construction, Part 3 Execution.

Add the Following:

3.8 Joints D. For decorative concrete areas, snap chalk line and saw cut all contraction joints with a radial or v-notch saw blade that extend 1" in depth. Complete saw cut contraction joints to within 1" of the building. Connect all other saw cut contraction joints with hand tools if needed. Do not trowel any contraction joints in the new decorative side walk.

Add the Following:

3.12 Detectable Warning Device B. Utilize pre-cast plastic truncated dome panel product for all applications. Do not use a metal pre-cast product. Truncated dome product shall be red in color. Montana Department of Transportation Detail Drawing 608-40 attached.

- 3) Modification – Specifications for Work, Technical Provisions, Section 02581, Pavement Markings and Markers, Part 1 General.

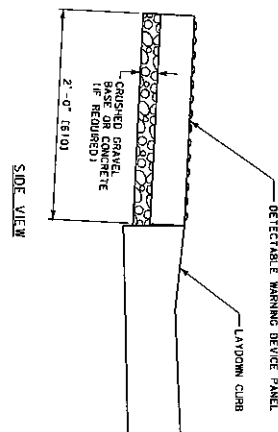
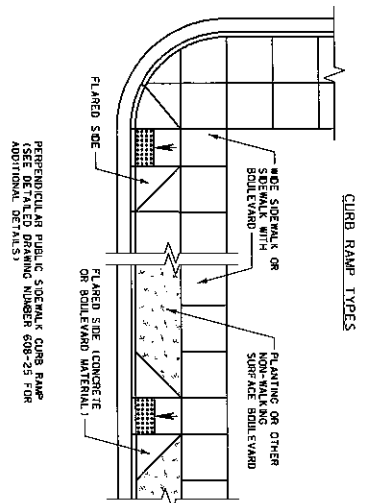
Add the Following:

1.1 Description C. Montana Department of Transportation Detail Drawing 620-20 attached.

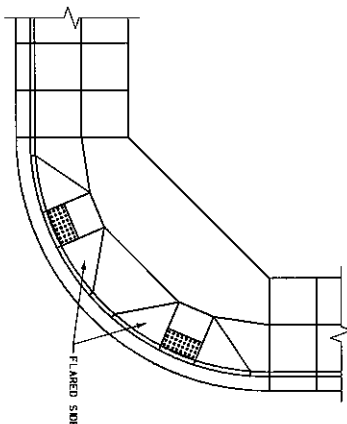
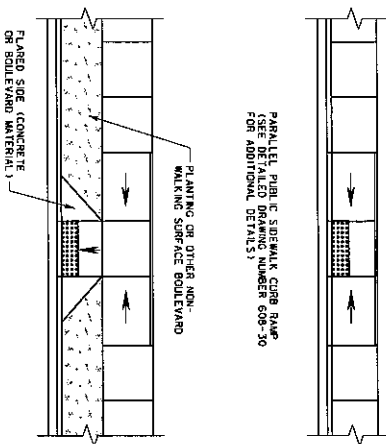
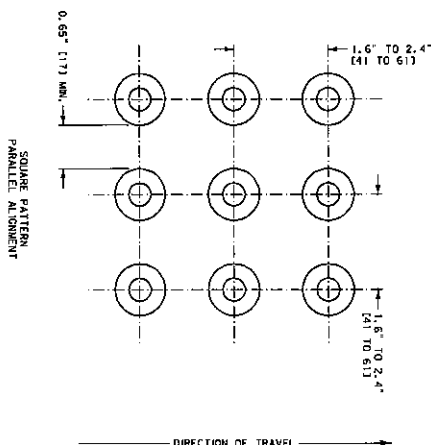
- 4) Modification – Drawing 2 of 7, Estimated Quantity Table:

Replace "400" with "450" for the Excavation (disposal off site) quantity estimated by the cubic yard (cy). This revised quantity represents the existing sidewalk and existing sidewalk base course removal and disposal.

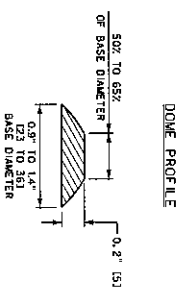
CURB RAMP TYPES



DETECTABLE WARNING DEVICE ALIGNMENT AND PATTERN



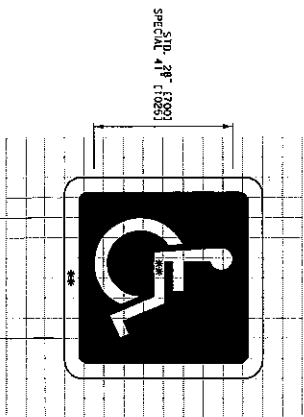
DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMP (SEE DETAILED DRAWING NUMBER 608-35 FOR ADDITIONAL DETAILS)



1. INSTALL DETECTABLE WARNING DEVICES THAT EXTEND THE FULL WIDTH OF THE RAMP, 2 FEET (610 mm) IN DEPTH.
2. INSTALL THE DOME PANEL ADJACENT TO THE BACK OF CURB. IF THE PANEL IS OFFSET, LOCATE THE EDGE OF THE PANEL NO MORE THAN 6 INCHES (150 mm) FROM THE BACK OF CURB.
3. IF THE DETECTABLE WARNING DEVICE IS EMBEDDED IN CONCRETE, INSTALL SO THE TOP OF THE PANEL IS FLUSH WITH THE ADJACENT CONCRETE AND THE DOMES WILL PROTRUDE ABOVE THE ADJACENT SURFACE.
4. ENSURE A UNIFORM GRADE ON THE DETECTABLE WARNING DEVICES.
5. USE DETECTABLE WARNING DEVICES - TYPE II FOR NEW SIDEWALK CONSTRUCTION. DETECTABLE WARNING DEVICES - TYPE I ARE CAST DIRECTLY INTO SIDEWALK. DETECTABLE WARNING DEVICES - TYPE I ARE NOT BEING PLACED ON SIDEWALKS WHERE NEW CONCRETE IS NOT BEING PLACED. DETECTABLE WARNING DEVICES - TYPE II ARE SURFACE APPLIED ON THE SIDEWALK. MEET FOR DETECTABLE WARNING DEVICES - TYPE I AND FOR DETECTABLE WARNING DEVICES - TYPE II.
6. USE DETECTABLE WARNING DEVICES THAT VISUALLY CONTRAST WITH ADJACENT WALKWAY SURFACES.

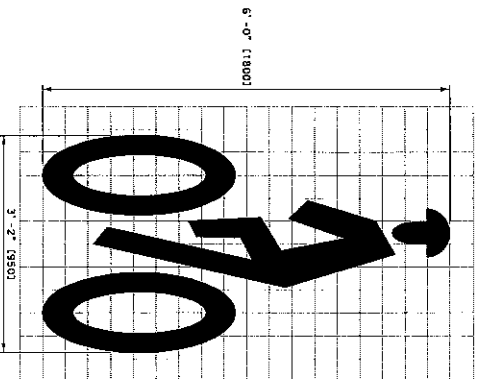
ACCESSIBILITY PARKING SPACE SYMBOL

AREA = 11.04 FT² (10.99 M²)
P = 0.10 GAL. (0.28 L)
E = 0.16 GAL. (0.53 L)
(1) SOLING = 4" (100)



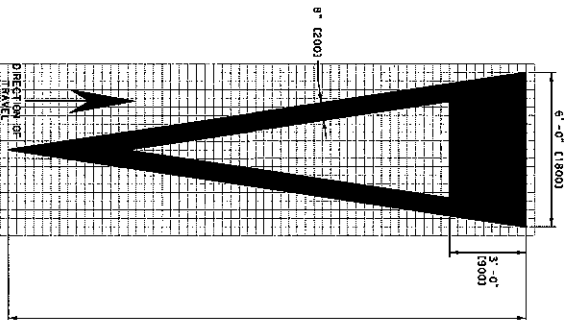
NOTE: CENTER SYMBOL IN PARKING STALL
STROKE WIDTH
1/2" (12.7)
SPECIAL 4" (100)

BKE LANE SYMBOL
AREA = 5.96 FT² (0.54 M²)
P = 0.05 GAL. (0.21 L)
E = 0.08 GAL. (0.31 L)
(1) SOLING = 4" (100)



YIELD AHEAD TRIANGLE

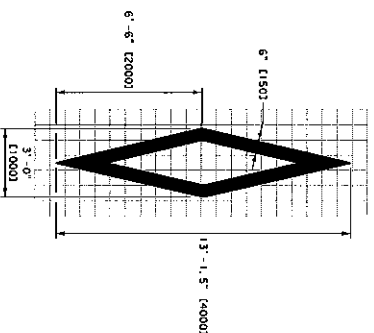
(HIGH SPEED)
AREA = 36.54 FT² (3.33 M²)
P = 0.34 GAL. (1.69 L)
E = 0.46 GAL. (1.73 L)
(1) SOLING = 4" (100)



NOTE: FOR LOW SPEED INSTALLATIONS, THE
3'0" (914) AND 20'0" (6103) DIMENSIONS MAY BE REDUCED
TO 2'6" (762) AND 13'0" (3962) RESPECTIVELY.

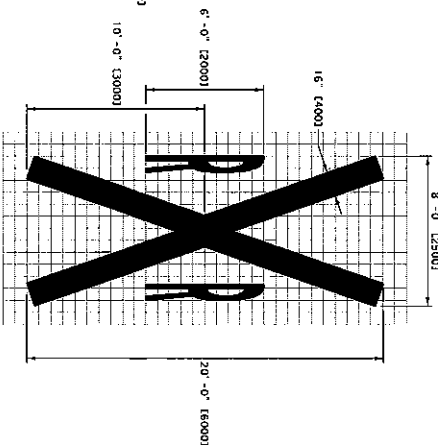
PREFERENTIAL LANE SYMBOL

AREA = 11.16 FT² (1.02 M²)
P = 0.10 GAL. (0.40 L)
E = 0.16 GAL. (0.53 L)
(1) SOLING = 0.65" (16.51)



RAILROAD CROSSING SYMBOL

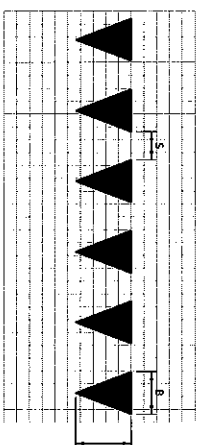
AREA = 58.10 FT² (5.42 M²)
P = 0.94 GAL. (3.57 L)
E = 0.73 GAL. (2.75 L)
(1) SOLING = 8" (203)



MAY VARY ACCORDING TO LANE WIDTH
8'0" (2438)

YIELD LINE LAYOUT

(QUANTITIES PER TRIANGLE)
(8 = 2'0" (6103))
AREA = 3.00 FT² (0.27 M²)
P = 0.03 GAL. (0.11 L)
E = 0.04 GAL. (0.15 L)



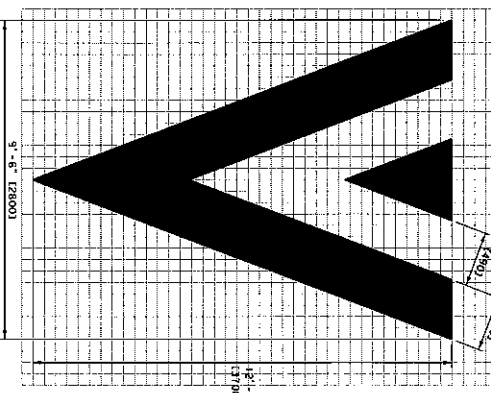
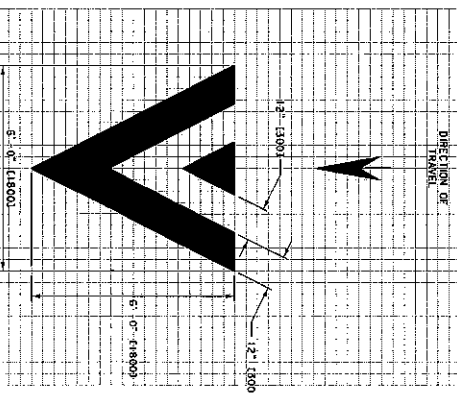
B = 2'0" (6103)
H = 3'0" (914)
S = 12" (305)

NOTES:

- ALL PAVEMENT MARKINGS ARE TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND STANDARD HIGHWAY SIGNS, PUBLICATIONS FROM THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL SYMBOLS ARE TO BE WHITE EXCEPT FOR THE ACCESSIBILITY PARKING SPACE SYMBOL, WHICH HAS A BLUE BACKGROUND AND WHITE BORDER OPTIONS.
- DO NOT EXCEED MORE THAN ONE LANE IN WIDTH FOR ANY PAVEMENT MARKING EXCEPT IN THE CASE OF THE WORD "SCHOOL". SEE DTL.
- WHEN WORDS AND SYMBOLS ARE USED IN COMBINATION, SPACE THEM AT LEAST FOUR TIMES THE HEIGHT OF CHARACTERS FOR LOW-SPEED ROADWAYS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS UNDER ANY CONDITION.
- QUANTITIES ARE BASED ON THE SIZES OF PAVEMENT MARKINGS SHOWN AND ARE FOR ESTIMATING PURPOSES ONLY.
- PAINT - PAINT VOLUMES ASSUME A 15 MIL (0.381) THICKNESS.
- EPoxy VOLUMES ASSUME A 20 MIL (0.508) THICKNESS.

SPEED HUMP MARKINGS

AREA = 50.42 FT² (4.56 M²)
P = 0.47 GAL. (1.75 L)
E = 0.53 GAL. (2.00 L)
(1) SOLING = 4" (100)



DETAILED DRAWING	NO.
REFERENCE	620-20
SECTION 620	PAVEMENT MARKINGS (SYMBOLS)
APPROVED	APRIL 2012
EFFECTIVE	FEBRUARY 2006
APPROVED	APRIL 2012
APPROVED	APRIL 2012